

**The Easy Way
to Build Smooth Walls and
Ceiling Surfaces With**

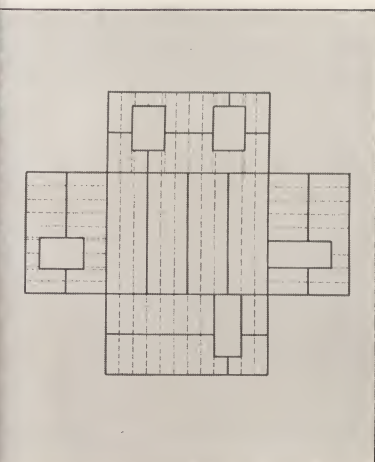
SHEETROCK

T. M. Reg. U. S. Pat. Off.

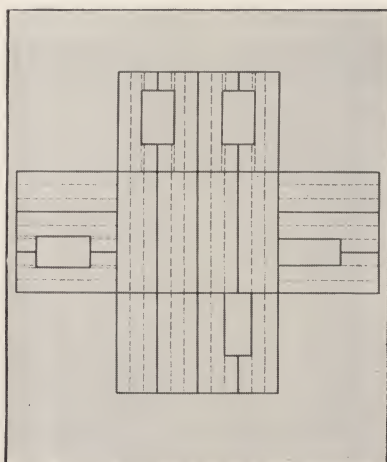
THE FIREPROOF GYPSUM WALLBOARD

and PERF-A-TAPE JOINT SYSTEM

T. M. Reg. U. S. Pat. Off.



Horizontal Layout



Vertical Layout

1 Plan the Job

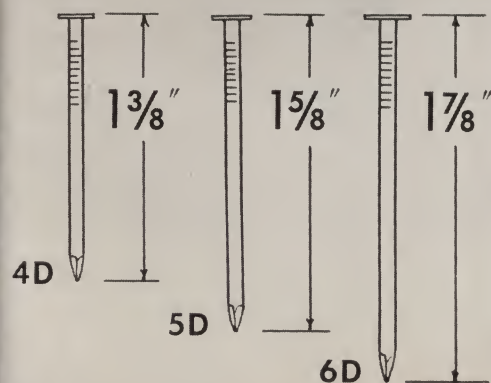
Save time, money, materials

Planning is the first step to good SHEETROCK walls and ceilings. First measure the room. Then make sketches like ones at left. Draw two horizontal lines crossed with two vertical ones, close in the four ends and your layout represents ceiling and walls. Next draw in doors and windows. Now indicate SHEETROCK panels—4' wide, lengths from 6 to 12'. If ceiling height is 8' 3" or less, horizontal layout of panels will result in fewer joints, easier handling, less cutting. If greater than 8' 3", vertical application will be more practical. Mark in panel sizes and use your plan to order SHEETROCK.

2 Select the Materials

The correct SHEETROCK and Nails

SHEETROCK Wallboard comes in three thicknesses, $\frac{1}{2}$ ", $\frac{3}{8}$ ", and $\frac{1}{4}$ ", each the same quality, each designed for a particular purpose. The big panels go up quickly and easily—up to 48 square feet of wall or ceiling in each panel. Nailing is important, so use the right nails and space them 8" apart on walls, 7" on ceilings. See chart for correct nails to use.



NAILS

With $\frac{1}{4}$ " and $\frac{3}{8}$ " SHEETROCK use the 4d nail; with $\frac{1}{2}$ " use the 5d nail. Use 6d nail in applying SHEETROCK over old walls. Nails must be cement coated, cooler type. Blued nails are not satisfactory.

$\frac{1}{2}$ " SHEETROCK Wallboard Standard or Insulating

Recommended for new construction. Offers the greatest resistance to fire and sound transmission.

Tapered edges. Comes in 4 foot widths, lengths up to 12 feet. Ivory colored surface ideal for any decoration.

$\frac{3}{8}$ " SHEETROCK Wallboard Standard or Insulating

For new construction, or temporary partitions in industrial and office buildings where the greater strength and rigidity of $\frac{1}{2}$ " board are not required and where cost is a factor. Tapered, square or beveled edges. Comes in 4 foot widths and lengths to 12 feet. Tapered or square edges may be finished with PERF-A-TAPE Joint System; beveled edges accent the vertical decorative pattern of room.

$\frac{1}{4}$ " SHEETROCK Wallboard

Lightest weight SHEETROCK. Designed for temporary enclosures or covering old plaster. Its flexibility makes it ideal for curved surfaces and display work. Low in cost, fireproof, easy to decorate.

SCORING AND CUTTING SHEETROCK WALLBOARD



Score the ivory colored paper on the face of the board with a sharp knife, using a straight edge as a guide.



Break the gypsum core of the SHEETROCK by snapping or bending away from the scored paper side.

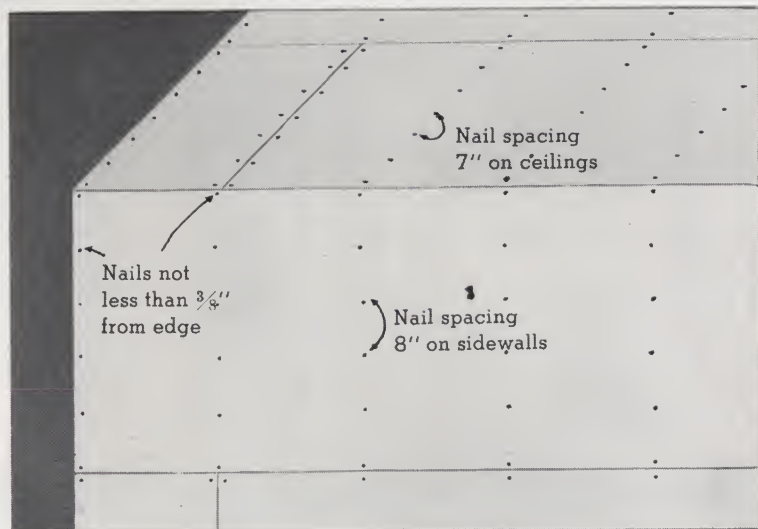


Complete the cutting of SHEETROCK Wallboard by running a knife through the back paper from above or below.

3

Applying SHEETROCK

Usually applied directly over wood framework—studs or joists or furring strips 16" o.c. (up to 24" o.c. with $\frac{1}{2}$ " SHEETROCK). Panels may also be applied directly over old walls. Check studs and joists for alignment. Straighten or replace those out of alignment.



Nails should be not less than $\frac{3}{8}$ " from the edges and ends, and spaced 7 inches apart on ceilings and 8 inches on walls. During nailing, board should be pressed firmly against studs and joists.



Vertical application should be used when ceiling height is over 8'3", or where this method results in less waste or joint treatment. Boards should be accurately cut to fit, and should not be forced into place.



Arches are easy to construct. First cut a strip of SHEETROCK to the width of the arch and score the back paper at 1" intervals. Then break the core at scored intervals. Nail to the framing with nails spaced in alternate segments. Sand the edges flush with the wall surface.

ONE MAN CEILING APPLICATION AND PROPER NAIL DIMPLING



Smooth the cut edges with coarse sandpaper wrapped around a block of wood which fits the hand conveniently.



One man can easily install a ceiling by temporarily nailing a 1" x 2" wood strip below the ceiling level, forming a shelf on which to rest the edge of the SHEETROCK.



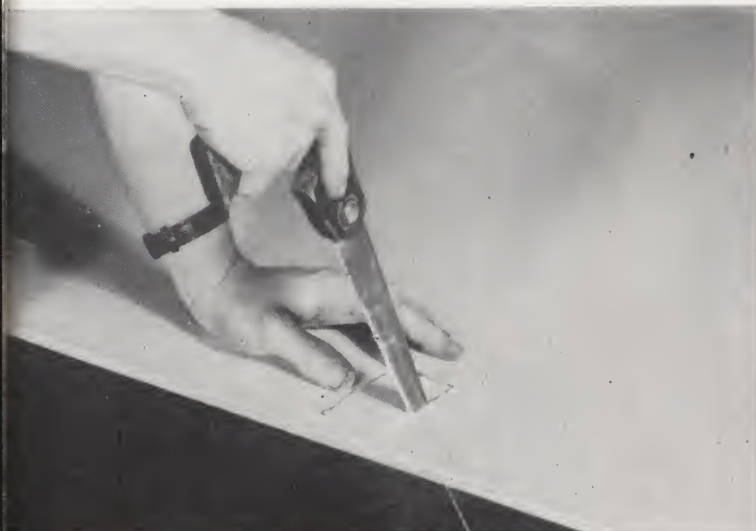
Nails should not be countersunk, nor should the surface of the paper be broken. Drive nails home, leaving a slight "dimple." Fill later with PERF-A-TAPE cement.



Ceilings go up first. Usually two men work on a ceiling, nailing from center of panel, towards ends and edges with nails 7" apart.



When horizontal construction is used, the top wall panel is applied first and butted against the ceiling. Over openings, end joints should be on studs. Where possible span the entire wall. End joints should be staggered. If Insulating SHEETROCK is used, apply foil side to framing.



Cut outs for electrical switches and outlets can be made with a keyhole saw. To locate the exact position, hold SHEETROCK panel in place. Then, using a wood block to protect the board, tap around the outlet with a hammer. The indentation on the back of the board is your guide for cutting.



Windows, in new construction, can be cut out after SHEETROCK is applied. Where sash is already in place, make cutouts before application.

PERF-A-TAPE JOINT SYSTEM

Available in bags containing 250 lineal feet of tape

and 18 lbs. of cement, and boxes containing 60 lineal feet of tape plus 4 lbs. of cement.



To reinforce and conceal joints use a 4 or 5 inch wide application knife, mixing bucket, bread pan and PERF-A-TAPE Joint System.



(A) Mix cement according to directions in the package. Butter the cement into the channel formed by the recessed edges of SHEETROCK, filling channel evenly and fully.



(B) Center PERF-A-TAPE reinforcement and force it into taper with knife held at convenient angle to board. Draw along joint to remove excess cement. Leave sufficient cement under tape for proper bond.



(C) Cover the tape with a thin layer of cement to fill taper flush with face of board. Allow to dry. At this time nail heads should be spotted with first covering coat of cement. (See illustration below.)



(D) After the first coat has dried (usually next day) smooth with sandpaper. Then cover with second coat, feathering edges of cement at least two inches beyond shoulders of recess. Allow to dry.



(E) Sand lightly, then apply a third "finishing" coat level with field of board. This coat should be feathered out at least two inches beyond second coat. After drying, light sanding may be necessary.



(F) For mill cut end joint, application is the same as for tapered edge joint treatment except that the finishing coats of PERF-A-TAPE cement must be feathered out approximately 12" on each side of the tape.



(G) Spotting nail heads. Draw a broad knife across nails. If there is a metallic ring, drive nail home, leaving a dimple in face paper. Fill this depression with cement to level of wall surface. For best results, 3 such fillings are required.



(H) Inside corner application. Fold tape along center crease. Butter both sides of corner with cement and apply tape. Apply second and third coats the same as to a flat joint.



(I) For best outside corner application, use PERF-A-BEAD Corner Reinforcement. PERF-A-BEAD is embedded in PERF-A-TAPE Cement, and wings are covered with two coats of Cement.





(J) Optional outside corner application. Butter both sides of corner with cement. The PERF-A-TAPE is folded along center crease and embedded in cement. Then apply second and third coats of cement.



(K) Curved edge application. Crease tape in center. Cut in from edge applied to wall as far as crease to make tape flexible, (scissor cuts are about 3/4" apart). Embed and apply second and third finishing coats.

Number of Square Feet of SHEETROCK Required for Walls and Ceiling in Rooms with 8 foot ceiling
(no allowance for openings)

| | | LENGTH IN FEET  | | | | | | | | | | | | | | | | | | | |
|---|----|--|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|------|------|------|
| | | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| WIDTH IN FEET  | 4 | 144 | 164 | 184 | 204 | 224 | 244 | 264 | 284 | 304 | 324 | 344 | 364 | 384 | 404 | 424 | 444 | 464 | 484 | 504 | 524 |
| | 5 | 164 | 185 | 206 | 227 | 248 | 269 | 290 | 311 | 332 | 353 | 374 | 395 | 416 | 437 | 458 | 479 | 500 | 521 | 542 | 563 |
| | 6 | 184 | 206 | 228 | 250 | 272 | 294 | 316 | 338 | 360 | 382 | 404 | 426 | 448 | 470 | 492 | 514 | 536 | 558 | 580 | 602 |
| | 7 | 204 | 227 | 250 | 273 | 296 | 319 | 342 | 365 | 388 | 411 | 434 | 457 | 480 | 503 | 526 | 549 | 572 | 595 | 618 | 641 |
| | 8 | 224 | 248 | 272 | 296 | 320 | 344 | 368 | 392 | 416 | 440 | 464 | 488 | 512 | 536 | 560 | 584 | 608 | 632 | 656 | 680 |
| | 9 | 244 | 269 | 294 | 319 | 344 | 369 | 394 | 419 | 444 | 469 | 494 | 519 | 544 | 569 | 594 | 619 | 644 | 669 | 694 | 719 |
| | 10 | 264 | 290 | 316 | 342 | 368 | 394 | 420 | 446 | 472 | 498 | 524 | 550 | 576 | 602 | 628 | 654 | 680 | 706 | 732 | 758 |
| | 11 | 284 | 311 | 338 | 365 | 392 | 419 | 446 | 473 | 500 | 527 | 554 | 581 | 608 | 635 | 662 | 689 | 716 | 743 | 770 | 797 |
| | 12 | 304 | 332 | 360 | 388 | 416 | 444 | 472 | 500 | 528 | 556 | 584 | 612 | 640 | 668 | 696 | 724 | 752 | 780 | 808 | 836 |
| | 13 | 324 | 353 | 382 | 411 | 440 | 469 | 498 | 527 | 556 | 585 | 614 | 643 | 672 | 701 | 730 | 759 | 788 | 817 | 846 | 875 |
| | 14 | 344 | 374 | 404 | 434 | 464 | 494 | 524 | 554 | 584 | 614 | 644 | 674 | 704 | 734 | 764 | 794 | 824 | 854 | 884 | 914 |
| | 15 | 364 | 395 | 426 | 457 | 488 | 519 | 550 | 581 | 612 | 643 | 674 | 705 | 736 | 767 | 798 | 829 | 860 | 891 | 922 | 953 |
| | 16 | 384 | 416 | 448 | 480 | 512 | 544 | 576 | 608 | 640 | 672 | 704 | 736 | 768 | 800 | 832 | 864 | 896 | 928 | 960 | 992 |
| | 17 | 404 | 437 | 470 | 503 | 536 | 569 | 602 | 635 | 668 | 701 | 734 | 767 | 800 | 833 | 866 | 899 | 932 | 965 | 998 | 1031 |
| | 18 | 424 | 458 | 492 | 526 | 560 | 594 | 628 | 662 | 696 | 730 | 764 | 798 | 832 | 866 | 900 | 934 | 968 | 1002 | 1036 | 1070 |
| | 19 | 444 | 479 | 514 | 549 | 584 | 619 | 654 | 689 | 724 | 759 | 794 | 829 | 864 | 899 | 934 | 969 | 1004 | 1039 | 1074 | 1109 |
| | 20 | 464 | 500 | 536 | 572 | 608 | 644 | 680 | 716 | 752 | 788 | 824 | 860 | 896 | 932 | 968 | 1004 | 1040 | 1076 | 1112 | 1148 |
| | 21 | 484 | 521 | 558 | 595 | 632 | 669 | 706 | 743 | 780 | 817 | 854 | 891 | 928 | 965 | 1002 | 1039 | 1076 | 1113 | 1150 | 1187 |
| | 22 | 504 | 542 | 580 | 618 | 656 | 694 | 732 | 770 | 808 | 846 | 884 | 922 | 960 | 998 | 1036 | 1074 | 1112 | 1150 | 1188 | 1226 |
| | 23 | 524 | 563 | 602 | 641 | 680 | 719 | 758 | 797 | 836 | 875 | 914 | 953 | 992 | 1031 | 1070 | 1109 | 1148 | 1187 | 1226 | 1265 |

SHEETROCK Wallboard Takes any Decoration

Follow this chart to get professional looking jobs

| Type of SHEETROCK | Finish Wanted | First Coat | Finish Coat |
|---|--|---|---|
| Plain 1/2", 3/8", 1/4" | Flat | SHEETROCK Sealer | TEXOLITE* Standard TEXOLITE Imperial Conventional Flat Oil Paint |
| | Velvet | SHEETROCK Sealer | TEXOLITE DURAVAL Paint |
| | Semi-Gloss | SHEETROCK Sealer | One or two coats of good quality Semi-Gloss Paint |
| | Gloss | SHEETROCK Sealer plus one coat—half enamel and half enamel under- coater | One coat good quality enamel |
| | Stipple | SHEETROCK Sealer | One coat good quality oil stipple paint |
| | Texture | TEXTONE* or U.S.G.* texture paint | TEXOLITE DURAVAL TEXOLITE Standard TEXOLITE Imperial |
| | Wallpaper or other wall covering | SHEETROCK Sealer | Wallpaper or other wall covering |
| WOODGRAINED Knotty Pine Bleached Mahogany Planked Walnut | Note: Woodgrained SHEETROCK is prefinished at factory. If further fin- ish is desired apply white shellac. | | 1. Paste wax for dull fin- ish or 2. Varnish for glossy finish |

Estimating Amount of Paint Needed

SHEETROCK Sealer covers approx-
imately 500 square feet to a gal-
lon. A 10 foot by 12 foot wall will
require about one quart.

TEXOLITE Standard and Imperial
paint will cover up to 800 square
feet per gallon.

TEXOLITE DURAVAL covers ap-
proximately 450 square feet to
the gallon. A gallon will cover
the walls and ceiling of an aver-
age 10' x 12' room in one coat.
It is good painting practice to tint
prime coats to approximate shade
of finish coat.



Woodgrained SHEETROCK Wallboard is available in three pre-decorated finishes combining the beauty of wood panelling with the fire resistance, and other advantages of gypsum. These beautiful wallboard finishes are true-to-life reproductions of Knotty Pine, Bleached Mahogany and Planked Walnut.

Woodgrained SHEETROCK is easy to apply with matching colored nails. The nails are driven flush with the surface of the board with a plastic head or rawhide hammer. Do not mar finish Economical to use—no joint treatment required and it costs only a fraction of the cost of real wood.

Molding strips, stained and varnished to match grain-ing, can be used to decorate outside corners of Wood-grained SHEETROCK. Quarter round strips create rounded corners with square edge board; other strips can be used with bevel edge board for novel effects.


Woodgrained SHEETROCK comes with a special factory finish and for ordinary use requires no other treatment. However, where excessive wear or repeated cleanings are expected, or a special finish is desired, the panels may be waxed; or a coat of satin varnish may be applied.



United States Gypsum

The Greatest Name in Building

Gypsum • Lime • Steel • Insulation • Roofing • Paint



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